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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/774,584
INICODMATIO	N DISCLOSURE	Filing Date	2/10/2004
		First Named Inventor	Yao-Ching Stephen Chen
STATEMENT	BY APPLICANT	Art Unit	2165
(Use as many s	heets as necessary)	Examiner Name	Farhan Syed
Sheet 1	of 2	Attorney Docket Number	SVL920030107US1

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/F.S./		<sup>US-</sup> 4864502	9/1989	Kucera et al.	
		<sup>US-</sup> 6353896B1	3/2002	Holzmann et al.	
		<sup>US-</sup> 6966027B1	11/2005	Krasinski	
		<sup>US-</sup> 7055093B2	5/2006	Tozawa et al.	
		<sup>US-</sup> 7165216B2	1/2007	Chidlovskii et al.	
		<sup>US-</sup> 2003/0154444	8/2003	Tozawa et al.	
		<sup>US-</sup> 2004/0073870	4/2004	Fuh et al.	
/F.S./		<sup>US-</sup> 2005/0060645	3/2005	Raghavachari et al.	
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Examiner	(F. )	Date	04/44/0000
Signature	/Farhan Syed/	Considered	01/14/2008

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/F.S./		BOUCHOU et al., "Extending Tree Automata to Model XML Validation Under Element and Attribute Constraints," pgs 184-190. Document modified 3/23/2003. Available online.	
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Examiner		Date	01/14/2008
Signature	/Farhan Syed/	Considered	01/14/2000

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F.S./		<sup>US-</sup> 2003/0093402	5/15/2003	Upton	
1		<sup>US-</sup> 2003/0110279	6/12/2003	Banerjee et al.	•
		<sup>US-</sup> 2003/0110311	6/12/2003	Kumar	
		<sup>US-</sup> 2001/0054172	12/20/2001	Tuatini	
		<sup>US-</sup> 2002/0019837	2/14/2002	Balnaves	
		<sup>US-</sup> 2002/0073091	6/13/2002	Jain et al.	
i i		<sup>US-</sup> 2002/0129059	9/12/2002	Eck	
		US- 2002/0138517	9/26/2002	Mory et al.	
		<sup>US-</sup> 2002/0157023	10/24/2002	Callahan et al.	
		us- 2002/0169565	11/14/2002	Westbrook et al.	
		<sup>US-</sup> 2002/0184401	12/05/2002	Kadel, Jr. et al.	
		<sup>US-</sup> 2003/0005001	1/02/2003	Kataoka	
		<sup>US-</sup> 6480865	11/12/2003	Lee et al.	
		US- 2002/0078406	6/20/2002	Kondoh et al.	
		US- 2005/0177543	8/2005	Chen et al.	
		us-2003/0070158	4/2003	Lucas et al.	
1		US-6101512	8/2000	DeRose et al.	
.		us- 2002/0099738	7/2002	Grant	
/F.S./		US- 2003/0046317	3/2003	Cseri et al.	

		FORE	<u>IGN PATENT DOC</u>	JMENTS		
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/F.S./		WO 02/50691A1	6/27/2002	Hull et al.		
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

Complete if Known			
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First Named Inventor	Yao-Ching Stephen Chen		
Art Unit	2165		
Examiner Name	Farhan Syed		
Attomey Docket Number	SVL920030107US1		

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F.S./	1	<sup>US-</sup> 2005/0086584	4/2005	Sampathkumar et al.		
		<sup>US-</sup> 2004/0006741	1/2004	Radja et al.		
		<sup>US-</sup> 6675355	1/2004	Demopoulos et al.		
/F.S./		<sup>US-</sup> 6799194	9/2004	Grosz et al.		
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Examiner Signature	/Farhan Syed/	· · · · · · · · · · · · · · · · · · ·	Date Considered	01/14/2008

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Substitute for form 1449/PTO				Complete if Known		
Substitu	10 10 10 11 14-3/1 10			Application Number	10/774,584	
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	//	4		Art Unit	2165	
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/F.S./		SHANMUGASUNDARAM ET AL., "Efficiently Publishing Relational Data as XML Documents," VLDB Journal, 2001, pp. 133-154.			
		WANG ET AL., "An XML Typing Module for XML Schema Validation and XML Typing," Assoc. for Computing Machinery, Inc. 2003.			
		Sun Microsystems, Java Architecture for XML Binding (JAXB), Jan. 2003, pgs. 1-11.			
		Feng et al., "Design and Implementation of the Extensible Markup Language Parser," Journal of Xi'An Jiaotong University, V36, N8, Aug. 2002, pg.1, 868-70.			
		NELSON, M., "Validation with MSXML and XML Schema," pgs. 1-4.			
		COOPER, C. "What is Expat?" XML.com, Sept. 1999, 19pgs.			
/F.S./		WANG ET AL., "An Efficient XML Schema Typing System," Nov. 2003, pgs. 1-20.			

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